

## ABSTRACT OF THE DISCLOSURE

An injection apparatus for use with a syringe is provided. The injection apparatus includes an injector and a pressure jacket assembly. The injector preferably includes a housing defining a front opening and a drive piston extendible through the front opening for imparting motive force to a plunger disposed within the syringe. The pressure jacket assembly preferably includes a jacket cylinder having a rear end coupled to the injector housing and an open front end for receiving the syringe therethrough, a support member having a rear end pivotally coupled to the injector housing and a front end, and a front member pivotally coupled to the front end of the support member. Preferably, the front member is pivotable between a closed position for retaining the syringe within the jacket cylinder and an open position for allowing the syringe to be inserted into and removed from the front end of the jacket cylinder.